

# AGILENT SEAHORSE XF CELL MITO STRESS TEST KIT

## A Complete Profile of Mitochondrial Function

### The Gold Standard Assay for Measuring Mitochondrial Function

Functional mitochondrial measurements are key to understanding cellular activation, proliferation, differentiation, and dysfunction. The Agilent Seahorse XF Cell Mito Stress Test Kit provides a complete mitochondrial profile, revealing critical information not evident in basal metabolism measurements alone. This Gold standard assay has been used in hundreds of publications to successfully advance the understanding of the role of cell metabolism in cellular physiology, disease pathology, and etiology.

### Easy-to-use, Fast Preparation, Reproducible Results

The Seahorse XF Cell Mito Stress Test Kit reveals the complete mitochondrial stress profile, and the report generator automatically calculates the most important metrics, simplifying your work. Now you can confidently quantify cellular bioenergetics, identify mitochondrial dysfunction, and measure cells' response to stress.

- **Basal Respiration**

Measurement of the cells' relative utilization of mitochondrial respiration and glycolysis under resting conditions

- **Maximal Respiration**

Measurement of the cells' relative utilization of mitochondrial respiration and glycolysis when stressed

- **Spare Respiratory Capacity**

Measurement of the cells' ability to respond to an energetic demand and is an indicator of cell fitness or flexibility



### Agilent Seahorse XF Cell Mito Stress Test Kit

- Run a complete assay from a single-use pouch
- No need to aliquot
- No DMSO needed, use media to resuspend compounds
- Rotenone and antimycin A are combined in a single tube

For more information, visit:  
[www.agilent.com](http://www.agilent.com)

## Measure Basal Respiration, ATP Production, Proton Leak, and Spare Respiratory Capacity

Each Seahorse XF Cell Mito Stress Test Kit eliminates the questions and concerns of where to source the reagents, what concentrations are optimal, and best storage conditions. With the reagents now ready at your fingertips, the easy-to-use and convenient Seahorse XF Cell Mito Stress Test Kit is your ultimate tool for assay optimization.

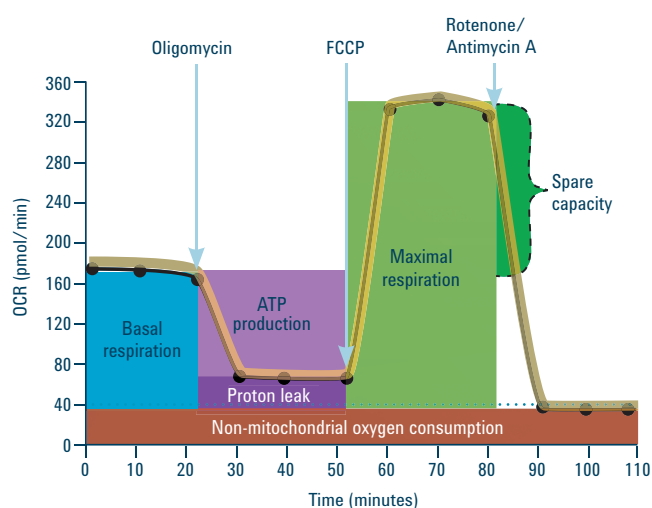


Figure 1. Agilent Seahorse XF Cell Mito Stress Test Profile for mitochondrial respiration.

## Product Information

| Component            | Description   |
|----------------------|---|
| Product              | Agilent Seahorse XF Cell Mito Stress Test Kit   |
| Kit contents         | Six single-use reagent pouches each containing Oligomycin, FCCP, and Rotenone/Antimycin A |
| Number of assays     | Six XFe96/24 or XF96/24 microplate assays   |
| Shipping conditions  | Ships at ambient temperature  |
| Storage requirements | Store at room temperature (for up to 1 year)  |
| Kit part number      | For platform(s)   |
| 103015-100           | All 24- and 96-well Analyzers   |
| 103010-100           | XFp Analyzer  |



For more information, visit:  
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